



This spreadsheet performs screening level calculations to estimate the effect of peeling leaded paint on the average concentration of lead in yard soil  
**4436 Josephine St.**

INPUTS	Variable	Units	House	Garage	Shed
<b>General</b>	Mixing depth in yard	cm	2.54	2.54	2.54
	Mixing depth in yard	inches	1	1	1
	Soil density	g/cm3	2.5	2.5	2.5
	RBC in soil	mg/kg	400	400	400
	Bkg in clean fill	mg/kg	50	50	50
<b>House-specific</b>			<b>Small</b>	<b>Small</b>	<b>Small</b>
	Area of the exposure unit	m2	93.846264	46.8231322	27.870912
	Area of the exposure unit	ft2	1008	504	300
	Concentration of lead in paint	mg/cm2	28	13	13
	Area of peeling paint	m2	5.684737	17.1368948	10.446018
	Area of peeling paint	ft2	61.19	184.46	112.44

**COMPUTATIONS**

Mass of lead from paint	mg	1.6E+06	2.2E+06	1.4E+06
Volume of soil	cm3	2.4E+06	1.2E+06	7.1E+05
Mass of soil	kg	5.9E+03	3.0E+03	1.8E+03
Incremental concentration	mg/kg	267.7	749.3	767.3
Maximum acceptable area of peeling leaded paint (m2)		7.4	8.0	4.8
Maximum acceptable area of peeling leaded paint (ft2)		80.0	86.1	51.3

**DECISION**

OK Not OK Not OK

This spreadsheet performs screening level calculations to estimate the effect of peeling leaded paint on the average concentration of lead in yard soil  
**4436 Josephine St.**

<b>INPUTS</b>	<b>Variable</b>	<b>Units</b>	<b>House</b>	<b>Garage</b>	<b>Shed</b>
<b>General</b>	Mixing depth in yard	cm	2.54	2.54	2.54
	Mixing depth in yard	inches	1	1	1
	Soil density	g/cm3	2.5	2.5	2.5
	RBC in soil	mg/kg	400	400	400
	Bkg in clean fill	mg/kg	50	50	50
<b>House-specific</b>			<b>Small</b>	<b>Small</b>	<b>Small</b>
	Area of the exposure unit	m2	93.64626	46.823132	27.87091
	Area of the exposure unit	ft2	1008	504	300
	Concentration of lead in paint	mg/cm2	28	13	13
	Area of peeling paint	m2	24.15781	72.824808	44.38131
	Area of peeling paint	ft2	61.19	184.46	112.44
<b>COMPUTATIONS</b>					
	Mass of lead from paint	mg	6.8E+06	9.5E+06	5.8E+06
	Volume of soil	cm3	2.4E+06	1.2E+06	7.1E+05
	Mass of soil	kg	5.9E+03	3.0E+03	1.8E+03
	Incremental concentration	mg/kg	1137.5	3184.1	3260.7
	Maximum acceptable area of peeling leaded paint (m2)		7.4	8.0	4.8
	Maximum acceptable area of peeling leaded paint (ft2)		80.0	86.1	51.3
<b>DECISION</b>			Not OK	Not OK	Not OK

This spreadsheet performs screening level calculations to estimate the effect of peeling leaded paint on the average concentration of lead in yard soil  
**4436 Josephine St.**

<b>INPUTS</b>	<b>Variable</b>	<b>Units</b>	<b>House</b>	<b>Garage</b>
<b>General</b>	Mixing depth in yard	cm	2.54	2.54
	Mixing depth in yard	inches	1	1
	Soil density	g/cm3	2.5	2.5
	RBC in soil	mg/kg	400	400
	Bkg in clean fill	mg/kg	50	50
<b>House-specific</b>			<b>Small</b>	<b>Small</b>
	Area of the exposure unit	m2	93.36756	46.823132
	Area of the exposure unit	ft2	1005	504
	Concentration of lead in paint	mg/cm2	28	13
	Area of peeling paint	m2	24.15781	72.824808
	Area of peeling paint	ft2	61.19	184.46
<b>COMPUTATIONS</b>				
	Mass of lead from paint	mg	6.8E+06	9.5E+06
	Volume of soil	cm3	2.4E+06	1.2E+06
	Mass of soil	kg	5.9E+03	3.0E+03
	Incremental concentration	mg/kg	1140.9	3184.1
	Maximum acceptable area of peeling leaded paint (m2)		7.4	8.0
	Maximum acceptable area of peeling leaded paint (ft2)		79.7	86.1
<b>DECISION</b>			Not OK	Not OK

Address:	4436 Josephine St.	8/16/2005		
Owner:	Sinnott	Darlene	Telephone #:	(303) 295-2243

Plot Plan:

see attached

Property #  
3142

North  
South  
East  
West

Exterior Walls				Doors/Trim			
Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
Total	0.00			Total	0.00		

North  
South  
East  
West

Window Trim/Fascia/Soffit				Patios/Decks/Porches			
Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
Wood	22.50		16±3.4				
Wood	31.26		16±3.4				
				Wood	7.43		28±9
Total	53.76			Total	7.43		

North  
South  
East  
West

shed				garage			
Material	deteriorated Area	Peel/Chip	XRF (Lead)	Material	deteriorated Area	Peel/Chip	XRF (Lead)
				Wood	156.33		13±3.5
Wood	61.19		13±3.5				
Wood	51.25		13±3.5	Wood	28.13		13±3.5
Total	112.44			Total	184.46		

$$(6+12)(7+12) - (6 \times 7)$$

$$(18)(19) - 42$$

$$342 - 42 = 300$$

$$(20+12)(10+12) - (20 \times 10)$$

$$(32)(22) - 200$$

$$704 - 200 = 504$$

Shed 7'5"

①

②

6'10"

fence

③

20'

garage

④

10'6"

15'4"

⑤

⑥

14'

⑨

⑦

⑧

5'8"

$$(21+12)(51+12) - (21 \times 51)$$

$$(33)(63) - 1071$$

$$2079 - 1071 = 1008$$

$$1008$$

30'6"

3'9"

1'9"

1'9"

6'

⑩

17'6"

N ←

4436 Josephine St.

Address: 4436 Josephine		Structure: House									
Date: 8/16/05		Direction: E									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
8	8	Window Screen Frame	Wood	Brown	N/A	N/A	0.25	See 272	16±3.4	POS	
7	7	Upper Gable Soffit	Wood	Brown	N/A	N/A	4.00	See 272	16±3.4	POS	much of the old paint is already gone
6	6	Lower Gable Soffit/Fascia	Wood	Brown	26.68	100%	26.68	See 272	16±3.4	POS	
5	5	Window Frame	Wood	Brown	N/A	N/A	0.33	See 272	16±3.4	POS	
Address: 4436 Josephine		Structure: House									
Date: 8/16/05		Direction: S									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
9	9	Soffit/Fascia (Back Part)	Wood	Brown	22.50	100%	22.50	272	16±3.4	POS	
Address: 4436 Josephine		Structure: House									
Date: 8/16/05		Direction: W									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
N/A	N/A	Front Porch Landing	Wood	Brown	N/A	100%	104.50	268	0.00±0.08	NEG	
N/A	N/A	Front Porch Foundation	Concrete	Brown	N/A	N/A	6.38	270	0.03±0.03	NEG	
10	10	Front Porch Beam	Wood	Brown	37.14	20%	7.43	269	28±9	POS	
Address: 4436 Josephine		Structure: House									
Date: 8/16/05		Direction: N									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Northside is on property line - chips into neighboring ground
Address: 4436 Josephine		Structure: Garage									
Date: 8/16/05		Direction: N, W									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
4	4	West Wall and Window Frame	Wood	Tan/Brown	93.75	30%	28.13	274	13±3.5	POS	
3	3	North Wall, Door Frame, Window Frame and Soffit	Wood	Tan/Brown	156.33	100%	156.33	See 274	13±3.5	POS	
Address: 4436 Josephine		Structure: Shed									
Date: 8/16/05		Direction: S, W									
Investigator: CM, WH											
Time Started: 9:20 A.M.											
Drawing Number	Photo Number	Painted Surface	Material	Color	Total Area of Element (units ft^2)	Percent Deteriorated	Deteriorated Area (units ft^2)	XRF #	XRF Value	pos/neg	Notes
1	1	South Wall, Door, Trim	Wood	Tan/Brown	61.19	100%	61.19	See 274	13±3.5	POS	Included only to the back fence.
2	2	West Wall, Window Frame and Soffit	Wood	Tan/Brown	51.25	100%	51.25	See 274	13±3.5	POS	

**TARGET SHEET**  
EPA REGION VIII  
**SUPERFUND DOCUMENT MANAGEMENT SYSTEM**

DOCUMENT NUMBER: 1056277

SITE NAME: VASQUEZ BOULEVARD AND I-70

DOCUMENT DATE: 08/16/2005

**DOCUMENT NOT SCANNED**

Due to one of the following reasons:

- ☒ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED  
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

1 - PROPERTY PHOTO CD, PROPERTY #3142  
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